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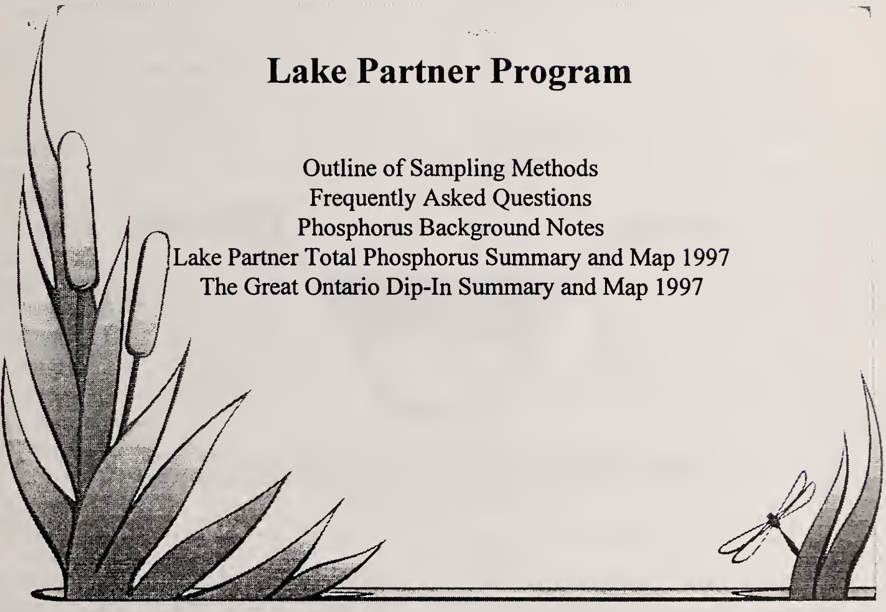

Lake Partner Program

Outline of Sampling Methods
Frequently Asked Questions
Phosphorus Background Notes
Lake Partner Total Phosphorus Summary and Map 1997
The Great Ontario Dip-In Summary and Map 1997

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Lake Partner Program

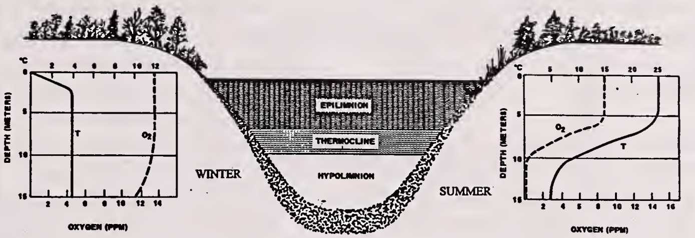
Frequently asked questions?

Where in the lake do I collect my sample?

Water samples should be collected over the deep basin, in the center of the lake, away from inflows, islands and docks. Sampling is intended to provide a general indication of lake health not as a check of suspected trouble spots. In larger or long lakes additional sites could be useful because for various reasons water quality may change in different parts of the lake .

How do I measure my water clarity?

Please refer to the *Great Ontario Dip-In* brochure for details on measuring water clarity and making a secchi disc. Basically a 20cm black and white metal disc is attached to a rope. Lower the disc into the water over the shady side of the boat. It will begin to fade the deeper it gets. Don’t wear sunglasses. At a certain depth it will disappear (ie: 3.0 m). Note this depth and raise the disk slightly until it reappears (ie: 2.8 m). Note this depth as well. The average of these two depths is your (ie: 2.9 m) secchi disc depth.



Did you know that your lake will form two layers based on temperature. Warm up top (epilimnion), cool on the bottom (hypolimnion) and they are separated by a layer of quickly changing temperature (thermocline).

My lake is really shallow and the secchi disc disappears in the weeds, what do I do?

Try and find an alternate location where there are fewer weeds and make a note that weeds are blocking your view of the disc. Make sure you are over the deepest part of the lake.

Where is the deepest part of my lake ?

Get a fishing map or bathymetric map of your lake which shows the contours of your lake. These are available from local fishing shops if your lake is large, or directly from the Ministry of Natural Resources local or district office near your lake.

How do I collect my water sample?

Determine your secchi disc reading. Multiply it by two. Attach either the provided bottle or a narrow mouthed (2.5 cm wide mouth) bottle to a weight. You can tape the bottle to a hammer or even use your anchor and line. Attach the bottle and weight to your marked rope and lower the bottle down through the water column to two times the secchi disc depth and without stopping begin raising it to the surface again. The bottle fills as you lower and retrieve it. Keep your speed steady. Ideally the bottle will be completely filled just at it reaches the lake surface. The idea is to get a sample of the water column and not just one point or depth.

My lake is shallow and two times the secchi disc depth would have me sampling the mud?

Lower and raise the sample bottle to a maximum of one meter off bottom so that you are not sampling the bottom meter.

How do I submit my sample?

The sample bottle was mailed to you in a tube, this is also your return tube. Place the bottle in the tube with the sample submission form. To prevent the bottle from rattling, pack the tube with some newspaper and seal the ends with tape or rubber bands. Fill in the Priority Post courier waybill and stick the label on the tube. Drop the sample off at the post office or if you are using a courier call them for pickup.

When do we get the results?

The results are compiled over the winter and are summarized and made available in the spring. They are mailed to each participant with the next seasons sample kit.

How are the data used?

Records are kept to determine long term trends and whether the lake is becoming more or less clear and more or less eutrophic (nutrient enriched). It is only a base measurement or indicator. The information helps us identify regions where additional resources should be focused.

My lake is typically tea or brown colored and always has been, the secchi disc reading is low. Is my lake in trouble?

Not necessarily, many northern lakes are naturally tea colored because of the nature of the watershed. Tannin from organic matter washed into lakes from the swamps and tree foliage can create this effect. In these lakes it is important to track chemistry as well, and the real value of the secchi disc reading is found over the long term when you determine whether water clarity is improving or degrading.

I understand that acidified lakes are really clear, but according to the secchi disc summaries good clarity is ideal. I'm told however that acid lakes are dead or dying and the deep clarity is an indication that my lake is in trouble?

When a lake acidifies clarity increases because organisms like algae can't survive. So high clarity is a bad thing in this case. That is why the secchi reading is accompanied with a water sample for total phosphorus. New research now shows that sulphur emissions are down and that many lakes are now recovering from the acid state of a few years back.

Our water samples used to be analyzed for total chlorophyll a, now they are total phosphorus numbers. Why is this?

You can still use your secchi disc measurements to track your long term trend. The water clarity trend is still valid. Phosphorus replaced chlorophyll because it is the actual chemical being washed into the lake which promotes the algal growths. Chlorophyll (the green photosynthetic pigment in algae) is actually an indicator of the algal densities in the lake and not an indicator of the cause. You can however, estimate chlorophyll concentrations from total phosphorus using graphs to continue your trend assessment if you wish. Please see the Lake Partner program technical note "*Interpreting your water quality readings*".

Your Lake Partner Basic Kit includes:

✓ *Instructions,*
✓ *1 sample bottle,*
✓ *mailing tube,*
✓ *courier waybill,*
✓ *secchi disc sticker,*
✓ *two business reply envelopes*
✓ *Great Ontario Dip-In Reply*
✓ *Summer Data Summary Reply*

Lake Partner Program

What do your water quality results and data mean?

You can conduct a preliminary or basic assessment of the water quality on your lake from the total phosphorus and secchi disc measurements provided by the Lake Partner Program. Over the years time-trend data are particularly useful to determine whether water quality is changing (improving or degrading). While these two simple measurements do not provide you with a complete picture of your water quality, they can give you an indication of a very important part of your lake's health; it's nutrient (trophic) status.

The table below is a simple interpretation that you can use to rate your lake. It is based on the annual mean secchi disc or water clarity reading and annual mean total phosphorus reading from your lake.

To calculate your annual means you need at least six ice-free season samples taken between May and September. The Lake Partner Basic program provides you with an estimate of the annual mean from a single spring sample. In general terms, for many natural lakes without point sources or discrete problems, phosphorus levels are usually higher in the spring and drop as the season progresses. 80% to 90% of your spring sample value can estimate your annual mean. But each lake is different and in some cases these data may not be available, so the 6 sample program cycles to different regions each year.

Interpreting your water quality results.

Secchi Disc Reading	*Total Phosphorus Levels*	*Lake Condition*
Over 5.0 m	**Less than 0.010 mg/L**	**Oligotrophic (Unenriched with few nutrients)**
3.0 to 4.9 m	**0.011 to 0.020 mg/L**	**Mesotrophic (moderately enriched with some nutrients)**
Less than 2.9 m	**0.021 mg/L or more**	**Eutrophic (enriched with higher levels of nutrients)**

Why we measure total phosphorus and water clarity!

Eutrophication is the process that describes the gradual nutrient enrichment of a lake. This process usually results in more algae in the water and lower water clarity. Phosphorus in most cases is the principle limiting nutrient (fertilizer) controlling the extent of the algal blooms. Algae are plants and plants need phosphorus to grow. Therefore the more phosphorus in the water, the higher the algal density in the lake. If more and more phosphorus is transported into the lake, and if the phosphorus fails to flush out, higher measurable levels can result and you can say the lake is becoming more eutrophic. The process is natural and all lakes will eventually become enriched and fill in, but the process is gradual and can be sped up by carelessness.

Phosphorus comes from several sources both natural and artificial. Runoff in agricultural areas is generally higher in phosphorus than urban and forested areas, so agricultural areas generally exhibit higher algal densities and lower water clarity than lakes surrounded by forests. Excessive tree clearing and the conversion of forested nearshore areas to cottage property may increase phosphorus inputs to a lake and result in the lake becoming culturally eutrophic. This is because of phosphorus reaching the lake from runoff of grassy slopes which may have been overfertilized, erosion from non vegetated ground, and to a lesser extent groundwater receiving phosphorus from septic leachate, which is aggravated if the septic system is faulty or undersized. During the construction/development phase around a lake, runoff is usually greater because of the terrestrial disruption occurring during lot clearing, road, cottage and septic field construction. This is the time to be especially careful and to watch for erosion.

There are three levels used to describe the nutrient status of your lake: Oligotrophic, mesotrophic and eutrophic.

1) Oligotrophic - (unenriched conditions) This stage is characterized by low lake productivity, clearer water, and phosphorus concentrations less than 0.010 mg/L.

2) Mesotrophic - (moderately enriched). This stage is characterized by higher lake productivity, less clear water and phosphorus concentrations up to 0.020 mg/L.

3) Eutrophic - (highly enriched). This stage is characterized by even higher productivity, water of still lower clarity and phosphorus concentrations over 0.020 mg/L.

What do you mean by productivity?

Productivity describes the ability of a lake to grow algae and nurture fish. Typically lakes of low productivity have low algal levels, low zooplankton (water flea) numbers but fewer and smaller fish too. Water quality is however usually good, so oxygen levels are high and these lakes will support fish like lake trout.

As lakes become more productive and algal levels rise, the food chain responds. Rate of fish growth in both numbers and size increases. Risks to water quality also increase, however. At a certain point algal blooms become common and oxygen loss in the bottom waters is a side effect. An unproductive lake that may have supported lake trout in the past, may only be able to support pickerel and perch if it becomes too productive, because these fish are suited to more productive lake types.

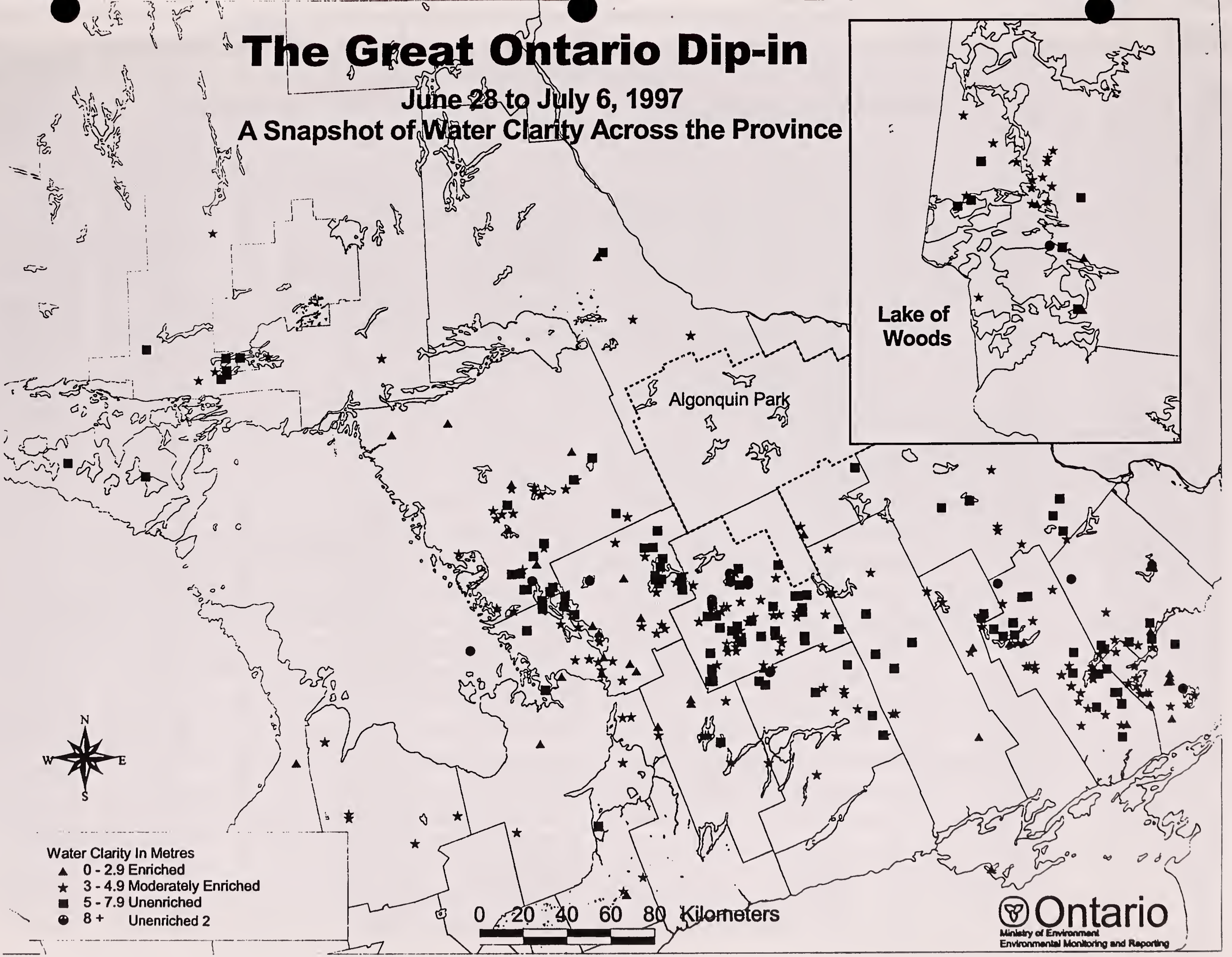
There are a broad selection of lake types in the province that should be maintained. Through education and basic monitoring the Lake Partner Program helps us to monitor and maintain water quality in our recreational lakes.

For additional information please call the Lake Partner program at 1-800-470-8322

The Great Ontario Dip-in

June 28 to July 6, 1997

A Snapshot of Water Clarity Across the Province



The Great Ontario Dip-In July 28 to July 6, 1997 Canada Week Water Clarity Snapshot

Lake Name	Township	Secchi Depth (m)	Latitude	Longitude	Name
Adam	North Burgess	2.6	4449	7613	Marriner, Carole
Ahmic	Croft	4.0	4537	7942	Little, Ted
Allen	Harcourt	5.6	4507	7815	McKenzie, Sarena
Allen	Dudley, Harcourt	6.8	4507	7815	Kelimbet, Tom
Austin	Melick	2.5	4954	9423	Morawecki, Kathy
Aylen	Dickens	7.2	4537	7751	Whittaker, Anne
Bagot Long	Bagot, Blythfield	4.6	4514	7639	McLeod, Don
Balsam	Bexley	4.3	4435	7850	Lewis, William
Balsam	Bexley	4.4	4435	7851	Watkins, Ken
Balsam-Lightning Point	Somerville	3.5	4435	7852	Joynt, Leslie
Baptiste	Herschel	3.6	4507	7803	Slade, D.
Baptiste	Herschel	4.5	4507	7804	Thibadeau, R., Brown,
Bass	Ryde, Gravenhurst	1.8	4452	7913	Baker, Trevor
Bass	Rear/Leeds, Lansdo	8.7	4434	7604	Slack, Bob & Ben
Basshaunt	West Guilford	4.5	4507	7828	Terro, Robert
Bat	Anson, Hinden, Mind	2.7	4456	7841	Koivusalo, Hellen
Bat	Anson, Hinden, Mind	3.2	4457	7841	Koivusalo, Hellen
Bay	Faraday	7.4	4501	7752	Hawkins, Paul
Bay	Perry	4.9	4530	7912	Lambert, Richard
Beaver	Cavendish	4.3	4444	7817	David, Kathy
Beech	Stanhope	4.6	4505	7842	Westcott, Nancy
Bella	Lake of Bays	5.0	4526	7902	Housser, John
Belmont	Belmont, Methuen	4.0	4431	7749	Carter, Fred C.
Belmont	Belmont, Methuen	5.0	4431	7750	Crowe Valley Conservat
Bennett	Bathurst	4.3	4455	7628	McCreight, Ben
Bernard	Strong	5.3	4545	7923	Pike, Kathy
Beverley, Lower	South Crosby	2.2	4436	7609	Steele, Ken
Beverley, Lower-Kendricks Bay	Bastard, South Burge	2.7	4436	7608	Santos, Don
Beverley, Lower-Oak Bay	South Crosby	2.1	4437	7608	Santos, Don
Beverley, Lower-Whiskey Island	Bastard, South Burge	2.4	4438	7608	Santos, Don
Beverley, Upper-Outlet	Bastard, South Burge	2.1	4436	7608	Santos, Don
Big Barnum (Barnum)	Dudley, Dysart	7.5	4502	7832	Passailngue, Peter
Big Bob (Bob)	Anson, Hinden, Mind	5.2	4455	7847	Pieper, Paul
Big Clear-North Bay	Kennebec	4.3	4444	7655	Barnett, T.
Big Clear-South Bay	Kennebec	4.2	4443	7655	Praskey, David
Big Gull	Clarendon	2.6	4450	7658	Williams, Bev
Big Gull-East End	Clarendon	3.1	4450	7700	Fraser, Carol
Big Gull-Pinnacle Point	Barrie	3.1	4450	7702	Rigsby, John
Big Gull-West Bay Stn.	Barrie	2.7	4450	7703	Niblett, Ron
Big Rideau-Tower Island	Bastard, South Burge	4.6	4445	7613	Big Rideau Lake Assoc.
Big Rideau-Trout Island	Bastard, South Burge	5.5	4447	7613	Big Rideau Lake Assoc.
Big Straggle (Straggle)	Harcourt, Dysart	5.0	4507	7812	McLellan, Joyce
Bigwind	Oakley	3.0	4503	7903	Smith, Janine
Billings	Glamorgan	4.8	4456	7822	Chandler, Hugh
Birch (Gough)	Gough	5.0	4618	8158	Lowe, Vicki
Bird	Muskoka	3.3	4503	7903	Delorme, Denis
Black	North Burgess	3.8	4446	7618	Payne, Anita
Black Donald	Brougham	3.8	4514	7655	Pidcock, Andrew
Black Sturgeon	Melick	3.4	4951	9425	Young, Linda
Black Sturgeon	Melick	3.0	4952	9425	Dudek, John & Marilyn
Bobs	South Sherbrooke	4.9	4445	7632	Hough, Ross
Bobs	Bedford	3.0	4441	7635	Wilkins, Hugh
Bobs	Bedford	3.7	4442	7635	MacNinch, Edie
Bobs-Buck Bay	Bedford	4.4	4440	7635	Webster, Doreen
Bobs-Central Narrows	Bedford	4.1	4439	7635	Brink, Bill
Bobs-East Basin	Bedford	3.4	4441	7634	Salter, Jean
Bobs-Long Bay	Bedford	3.8	4440	7834	Neill, Bruce
Boshkung	Stanhope	6.0	4504	7844	Fleming, Doug
Boulter	Bangor, Wicklow, Mc	3.4	4518	7803	Tiemes Klein, Sylvia
Brady	Anson, Hinden, Mind	3.3	4503	7850	Richinson, Peter
Brewster	Osprey	4.5	4420	8018	Parkinson, Bob
Bruce	Medora, Wood	2.7	4511	7939	Hutchinson, Paul
Brule	Miller	8.5	4505	7705	Carleton, Neil

Lake Name	Township	Secchi Depth (m)	Latitude	Longitude	Name
Buck-North Bay, S End	Loughborough	4.4	4433	7626	Buck L. Protective Asso
Buck-North Bay	Loughborough	5.5	4433	7626	Bryans, Alex
Buck-Porcupine Island, S Branch	Bedford	7.3	4432	7626	Chantraine, Peter
Buckshot	Miller, Clarendon	4.3	4500	7704	Bonney, Jack
Burnt (Joselin)	Humphrey	5.1	4514	7950	Jaski, Greg
Burridge	Bedford	6.0	4440	7633	Space, William
Butterfly	Muskoka	3.1	4505	7938	Hellberg, Isabel
Cameron	Fenelon	5.7	4433	7846	Martin, Lisa
Canning	Minden, Snowdon	4.5	4455	7838	Wagg, Roland E.
Canning	Minden, Snowdon	4.3	4456	7838	Hodder, Mark
Canning-Stn. 3	Minden, Snowdon	4.7	4457	7838	Janca, Gus
Caribou	Johnson	2.5	4622	8350	Hope, D.
Catastrophe	Pelican	3.5	4954	9447	Thompson, Patricia
Cecebe	Chapman, Ryerson	3.6	4538	7933	McDonald, John A.
Chandos	Chandos	5.5	4449	7800	Baker, King
Charlie Georges (Georges)	Dysart, Harcourt Park	3.3	4505	7810	Osborne, Paul
Charleston	Rear/Leeds, Lansdo	4.0	4432	7600	Bellisle, George
Cheer	Strong	2.3	4547	7930	Martin, G. S.
Christie	Bathurst	4.9	4448	7626	James, George
Clarke	Whitchurch, Stouffvill	1.2	4358	7922	Chubbock, Don
Clear	Sebastopol	7.3	4526	7712	Green, Meredith
Clear	Humphrey	10.5	4516	7947	Bobbie, Brian
Clear	Oakley	4.0	4502	7902	Fendley, Rex
Clear	Douro	4.1	4423	7814	Chalmers, Jeff
Clear	Perry	6.5	4531	7916	Cooper, Wayne
Cole	Hinchinbrooke	4.7	4434	7641	Hendrickson, L. & G.
Collins-South station	Storrington	2.6	4422	7628	Bruns, Ernie
Crego	Somerville	4.3	4447	7842	Elgar, Sally
Crosby	North Crosby	4.7	4445	7626	McMahon, Ross
Cruiser	Guilford	5.1	4511	7835	Richardson, Arthur
Crystal-Clear Bay	Galway	6.0	4446	7829	Lee, Bill
Crystal-Middle of lake	Galway	5.5	4447	7831	Lee, Bill
Dalrymple	Carden	1.5	4438	7907	McCarron, W. J.
Dalrymple-Lower	Carden	3.5	4436	7907	Brandon, Dure
Dark	Monmouth, Cardiff	5.8	4503	7814	Collins, Gary A.
Davern	South Sherbrooke	5.8	4447	7631	Christy, R. S.
Deep Bay	Carling	3.1	4524	8012	Dunningan, Jim
Deer	Cardiff	4.3	4502	7806	Thibadeau, R., Brown,
Denna	Lutterworth	4.0	4452	7845	Hildreth, Doris
Desert	Bedford, Loughborou	5.5	4432	7635	Turkington, Robin
Devil-Buce Bay	Bedford	6.4	4435	7627	James, Ron
Devil-Hayes Bay	Bedford	6.1	4435	7628	James, Ron
Dickey	Lake	5.9	4447	7744	Stonebridge, Ed
Doe	McMurrich	2.7	4532	7924	Adams, John
Dogtooth	Lemay	4.5	4943	9410	Mooyman, Rudy
Dollars-Smith Bay	Blair	1.9	4556	8013	DeSantis, Rick
Drag	Dysart, Dudley	5.2	4505	7824	Olivo, Larry
Dummer	Dummer	3.8	4432	7806	Hobson, Robert
Eagle	Hinchinbrooke	5.9	4441	7642	Langlais, Richard C.
East	Harburn, Harcourt	5.3	4515	7821	Ross, John
Echo	McLean	4.0	4511	7904	Lawlor, Don
Eels	Cardiff	4.5	4454	7808	Thibadeau, R., Brown,
Elbow	Hinchinbrooke	3.4	4438	7643	Percy, ~~Don~~
Ena	Redditt	2.3	5000	9500	Raitt, Phyllis & Jim
Fairholme	Hagerman	5.0	4535	7954	Pawelczyk, Ron
Fairy	Hudson	5.5	4720	7940	Specer, Doug
Farren	South Sherbrooke	5.8	4446	7630	Stapledon, Jackie
Fortescue	Cavendish	3.8	4450	7826	Thorn, Eric
Francis	Keppel	3.6	4440	8102	Morris, David
Gananoque-West end	Rear/Leeds, Lansdo	2.3	4427	7609	Anderson, Wayne R.
Geneva	Hess	3.7	4646	8133	Davies, Gilbert
Georgian Bay	Tiny	8.5	4450	8012	Kurceba, Cathy
Georgian Bay-Dillion Cove-Stn. 4	Carling	4.4	4557	8013	Niskanen, Jean

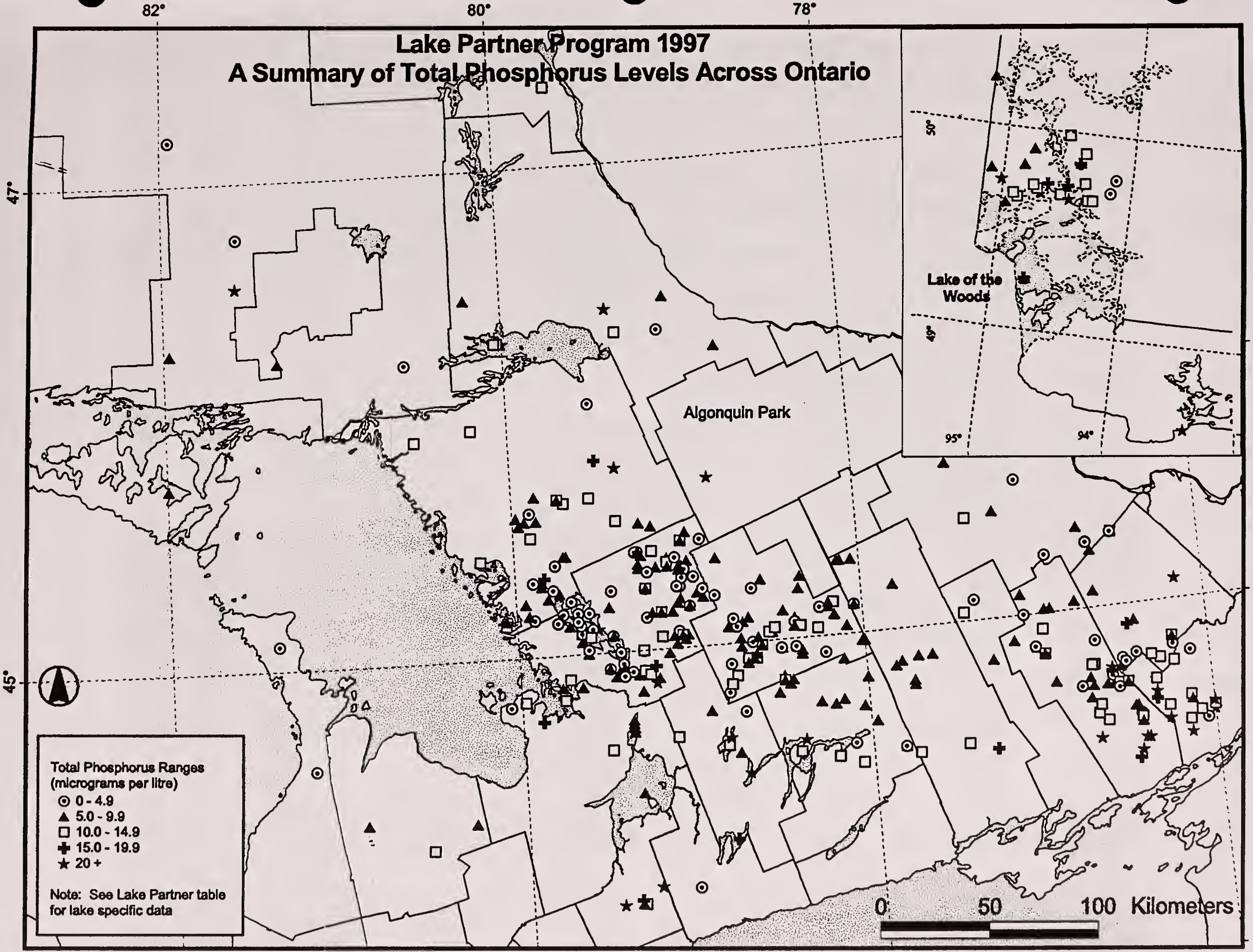
The Great Ontario Dip-in July 28 to July 6, 1997 Canada Week Water Clarity Snapshot

Lake Name	Township	Secchi Depth (m)	Latitude	Longitude	Name
Glamor	Glamorgan	3.8	4457	7822	Glamor L. Cottage Asso
Go Home	Gibson	5.5	4504	7950	Edwards, Simon
Gould	Amabel	2.9	4435	8112	Gould, George
Grace	Dudley	5.1	4504	7814	Collins, Gary A.
Grandview	Ridout, McLean	6.7	4513	7903	Numberg, Dr. Gertrud
Grass	Dysart, Haliburton	3.0	4502	7833	Babbs, Trevor
Grindstone	Clarendon, Miller	5.2	4501	7657	Crowley, David
Grippen	Leeds, Lansdowne	3.0	4430	7609	Wyatt, J.
Gull	Lutterworth	6.3	4451	7847	Shortt, Larry
Gull	Gravenhurst, Muskok	3.6	4455	7921	Lee, Gordon
Halls	Stanhope	8.0	4506	7845	Jamieson, Bill
Halls	Stanhope	9.2	4507	7845	McCord, Bill
Halls-North End	Stanhope	8.0	4508	7845	Jamieson, Bill
Hambly	Portland	4.6	4428	7641	Bauder, Ronald
Hannah	Roosevelt	4.6	4612	8134	Peltoniemi, Robert
Harp	Chaffey	5.4	4522	7907	Radko, Robert
Hay	Sabine	2.3	4522	7811	Rodgers, Mitzi
Head	Digby	2.6	4444	7855	Robson, Art
Head	Laxton	2.0	4443	7855	Young, Donald A.
Head	Dysart, Haliburton	3.5	4503	7831	Babbs, Trevor
Hilly	Jaffray	2.8	4945	9422	Shumka, Paul
Horn (Soliman)	Chapman, Ryerson	6.0	4540	7930	Page, K.
Horn (Soliman)	Chapman, Ryerson	4.5	4540	7929	Tod, Frank
Horseshoe	Christie	5.0	4518	7951	McGee, John
Horseshoe-Gibraltar Bay	Christie	5.3	4518	7951	Taylor, Lee
Hurd	Bagot, Blysfield	5.2	4524	7640	Rung, Fred
Indian	South Crosby	4.7	4436	7620	Moores, Beth
Inverary	Storrington	5.2	4424	7627	Soimann, Marianne
Jack-North	Burleigh	3.0	4443	7802	Long, Dr. Alan
Jack-South	Burleigh	4.7	4442	7802	Long, Dr. Alan
Jeffrey-South End	Ross	7.3	4539	7727	Dittburner, Bette Anne
Joseph-Claus Point	Muskoka	7.3	4510	7944	Love, Peter
Joseph-Cox Bay	Muskoka	6.8	4509	7944	Love, Peter
Joseph-North End	Muskoka	7.5	4511	7944	Love, Peter
Kahshe	Morrison	3.1	4450	7918	Sale, D.
Kahshe	Ryde	3.1	4451	7917	Fingerle, Andre
Kahshe, Little	Burton	3.0	4441	7916	Sullivan, Cathy
Kapikog	Conger	4.3	4509	7954	Rudnickas, John
Kashagawigamog-North end	Dysart, Haliburton	4.8	4460	7836	Babbs, Trevor
Kashagawigamog-Silver Beach	Dysart, Haliburton	5.3	4459	7837	Babbs, Trevor
Kashagawigamog-South end	Dysart, Haliburton	5.5	4458	7836	Babbs, Trevor
Kashagawigamog-Venture Bay	Dysart, Haliburton	4.3	4459	7836	Babbs, Trevor
Kashagawigamog-@ hamlet of In	Minden	5.0	4457	7836	Thom, Ernest
Kashwakamak-West end	Clarendon, Barrie	5.3	4452	7701	MacLachlan, Elma
Kashwakamak	Clarendon, Barrie	4.3	4452	7701	Wohlgemut, Horst F.
Kasshabog	Methuen	3.8	4438	7758	Rees, Terry
Kennebec-East end	Kennebec	3.1	4444	7657	Wadham, Peter N.
Kennebec-West end	Kennebec	3.9	4444	7658	Wadham, Peter N.
Kennisis-Stn. A	Havelock	9.5	4512	7838	Roesener, Kevin A.
Kennisis-Stn. B	Havelock	8.8	4513	7838	Roesener, Kevin A.
Kennisis-Stn. C	Havelock	9.8	4514	7838	Roesener, Kevin A.
Kennisis, Little	Havelock	5.3	4515	7835	Roesener, Kevin A.
Killenbeck	Rear/Leeds, Lansdo	4.0	4430	7603	Freeston, L.E.C.
Koshlong	Glamorgan	6.0	4458	7829	McGowan, John
Kushog-North end	Stanhope	6.5	4504	7847	Thomson, Marie
Lake of Bays-Bigwin Channel	Lake of Bays	6.5	4514	7902	Govan, Fraser
Lake of Bays-Dwight Bay	Lake of Bays	5.0	4519	7901	Govan, Fraser
Lake of Bays-Fairview Island Cha	Lake of Bays	6.5	4514	7904	Govan, Fraser
Lake of Bays-Gull Island Channel	Lake of Bays	6.0	4515	7904	Govan, Fraser
Lake of Bays-Haystack Bay	Lake of Bays	6.5	4517	7902	Govan, Fraser
Lake of Bays-Trading Bay	Lake of Bays	6.5	4514	7855	Govan, Fraser
Lake of the Woods	Fort Francis	1.8	4836	9324	Webster, William G.
Lake of the Woods-Heavenly Bay	Kenora	1.0	4915	9445	Scott, Marvelle
Lake of the Woods-Poplar Bay	Kenora	4.0	4941	9433	Dribnenky, H.
Lake of the Woods-Bigstone Bay	Kenora	2.2	4941	9423	Malaher, David
Lake of the Woods-Clear Water B	Kenora	6.0	4943	9439	Barber, Reta
Lake of the Woods-Copeland Isla	Kenora	0.3	4945	9444	Krotz, Sarah
Lake of the Woods-Deception Ba	Kenora	4.0	4943	9446	Johnson, Gord
Lake of the Woods-Echo Bay	Kenora	4.0	4939	9453	Anderson, R. W.
Lake of the Woods-Holmstrom M	Kenora	2.3	4915	9445	McKenzie, Leigh
Lake of the Woods-Middle Island	Kenora	1.8	4940	9427	Riley, Jane
Lake of the Woods-Rush Bay	Kenora	2.8	4940	9455	Yeo, Jack
Lake of the Woods-Safety Bay	Kenora	2.0	4946	9430	Brown, Brian
Lake of the Woods-Scotty's Islan	Kenora	2.1	4940	9429	Bergman, Liz
Lake of the Woods-Tangle	Kenora	3.1	4944	9430	Brako, Barb
Lang	Curtin	3.5	4610	8140	Stewart, George
Leggat	Olden	4.7	4443	7643	Rutherford, Hugh
Leonard-Milford Bay	Monck	2.8	4504	7927	Bowen, Heather
Limerick	Limerick	6.2	4453	7737	Walter, J.H.
Limestone	Hageman	4.1	4533	7956	Pikkert, Klaas
Little Bear	Roosevelt	6.0	4611	8130	Peltoniemi, Robert
Little Esson	Monmouth	3.5	4502	7816	Drew, Harold
Little Esson	Monmouth	3.8	4503	7816	Drew, Harold
Little Horseshoe (Little Elise)	Anson, Minden, Hind	5.3	4500	7839	Gilbert, Eleanor
Little Lake Joseph	Muskoka	5.0	4513	7941	Love, Peter
Long	Olden	4.0	4441	7646	Leach, Frank
Long	Harcourt, Dudley	4.5	4503	7822	Johnson, A. R.
Longpine	Gundy	2.5	4947	9506	Bullman, G.
Loon	Gravenhurst	3.0	4455	7926	Mitchell, Dave
Loon	North Crosby	4.0	4437	7623	Keim, Robert
Loon Call	Burleigh, Anstruther	4.4	4444	7809	Dowding, Terry
Lorimer	Hageman	4.0	4532	7958	Ball, Dave
Lorraine	Monmouth	5.4	4456	7814	Sinclair, Don
Lorraine	Monmouth	5.0	4457	7814	Johnson, Dennis
Lorwall	Brudenell	7.6	4525	7722	McCauley, John L.
Loughborough-East Basin	Storrington	2.3	4427	7625	Wilson, John
Loughborough-West Basin	Storrington	4.1	4427	7627	Grooms, Gerry
Lower Hay	Sabine	3.2	4524	7812	Rodgers, Mitzi
Malcom	Clarendon	4.2	4455	7654	Salole, Dr. Roy M.
Manitou-Stn. 4	Sandfield	7.0	4545	8200	Edward, John P.
Manitouwaba-Stn. 1	Monteith	4.5	4524	7942	Zamke, Fred
Manitouwaba-Stn. 2	Monteith	5.0	4525	7942	Zamke, Fred
Manitouwabing	McKellar	2.5	4529	7954	Haidle, Peter
Manson	Hageman	4.3	4533	7952	Friedberg, Jack
Maple	Stanhope	4.2	4506	7840	Felloes, Dave
Maple	Stanhope	4.1	4506	7841	Broeden, Peter
Mary	Huntsville	3.4	4513	7916	Douglas, David J.
Mary	Brunel	1.5	4515	7915	Perry, Jill
Mazinaw	Abinger	3.0	4455	7712	Murray, Scott
Mazinaw	Abinger	5.5	4457	7712	Frank, Karl
Mazinaw-North end, East side	Abinger	5.2	4458	7711	McNeil, Mike
McCullough	Sullivan	4.0	4421	8055	Hollingham, Ed
McCullough	Sullivan	4.1	4422	8055	Brydges, Bill
McKay	Draper	3.2	4503	7910	Reynolds, Paul F.
McKechnie	Humphrey	5.4	4514	7949	Snider, Richard
Ministic	Cascaden	3.0	4634	8134	Caverly, L. & P.
Mink	Wilberforce	4.6	4533	7703	Bleiker, John
Mississagagon	Barrie	7.5	4452	7705	Stevens, Betty
Mississippi	Drummond	2.7	4505	7610	Mouland, J.
Moira	Huntingdon	4.0	4430	7727	Brinkman, Curt
Moore	Lutterworth	6.0	4448	7848	Eagles, T., Peterson, A
Moore-East end	Lutterworth	5.0	4448	7847	Eagles, T., Peterson, A.

The Great ntario Dip-In July 28 to July 6, 1997 Ca da Week Water Clarity Snapshot

Lake Name	Township	Secchi Depth (m)	Latitude	Longitude	Name
Mosque	Miller	5.2	4501	7655	O'Dette, Jack
Muldrew-North	Morrison	3.7	4453	7925	Allen, Ken
Muldrew-South	Morrison	2.0	4452	7925	Allen, Ken
Muskoka River	Oakley	2.6	4505	7910	Gemza, Andy
Muskoka-Cliff Bay	Muskoka	2.4	4456	7924	Charendoff, M.
Muskoka-Inner Harbour	Muskoka	2.3	4455	7926	Charendoff, M.
Muskoka-Browning Island	Muskoka	3.5	4500	7925	Love, Peter
Muskoka-Christmas Island	Muskoka	3.5	4501	7925	Love, Peter
Muskoka-Gibralter Point	Muskoka	4.5	4504	7932	Love, Peter
Muskoka-Whiteside Island	Muskoka	5.3	4507	7933	Love, Peter
Musselman	Whitchurch, Stouffvill	4.8	4402	7916	LaFleur, Caroline
Neighick-Stn. 1-Lammerts Island	Croft	4.0	4538	7944	Read, Susan
Neighick-Stn. 2-Picnic Island	Croft	3.8	4539	7944	Read, Susan
Newboro-Hungry Bay	South Crosby	3.4	4438	7820	Goodier, Marty
Norway	Bagot, Blythfield	6.4	4520	7643	Collins, George
Oak	Belmont, Methuen	5.7	4436	7753	Blom, Pat
Opinicon-North of Snake Island	Bedford, Storrington,	4.2	4434	7619	Holmes, John
Orr	Flos, Medonte, Sprin	2.1	4436	7948	Penz, L.
Ottawa River	McNab	2.6	4534	7423	Freemark, Tom
Otter, North	Loughborough	4.9	4430	7632	Tudiver, Judy
Otty	North Elmsley	5.8	4451	7613	Girdwood, Donal
Paint (St. Mary)	Ridout	3.5	4513	7857	Reed, Chuck
Panache	Caen	4.9	4615	8115	Hamill, Jack
Panache	Truman	6.3	4615	8130	Hamill, Jack
Panache	Dieppe	5.0	4615	8125	Hamill, Jack
Papineau	Papineau, Cameron	4.3	4613	7845	Turcotte, Philip
Paudash-Lower	Cardiff	4.8	4458	7801	Thibadeau, R., Brown,
Paudash-Upper	Cardiff	5.0	4458	7802	Thibadeau, R., Brown,
Peninsula	Chaffey, Franklin, La	3.5	4520	7907	Dunbar, Grant
Percy	Harburn	4.8	4512	7822	Dykstra, Henry
Perry	Michaud	0.2	4832	8006	Miller, Nola
Pickerel	Gidley	4.2	4949	9451	Dackiw, Bud
Pigeon	Harvey	3.0	4427	7830	Gordon Willane, Sheila
Pike	Hudson	2.0	4720	7940	Foley, Shawn
Pike	North Burgess	4.7	4447	7622	Davies, H.W.
Pike	North Burgess	5.0	4447	7621	Sansom, G.
Pine	Guilford	4.9	4507	7835	Wilkins, A., Milligan, T.
Pine	Wood, Muskoka, Gra	4.3	4456	7929	Hook, Eric
Pine (Gooderham)	Glamorgan	4.5	4454	7823	Thibadeau, R., Brown,
Plunge	Roosevelt	6.0	4610	8132	Peltoniemi, Robert
Portage	Mowat	1.8	4554	8033	Smitka, Jerry
Preston	Whitchurch, Stouffvill	3.3	4359	7923	Dobrich, Peter
Rankin	Foley	5.5	4518	7954	Waisanen, Allan
Raven	Sherbourne	3.5	4512	7851	MacSavaney, D.
Rebecca	Lake of Bays	5.5	4526	7902	Housser, John
Redstone	Guilford	8.0	4511	7832	Scheider, Wolf
Redstone	Guilford	8.2	4512	7832	Houghton, Desmond J.
Robertson	Lavant	8.8	4504	7639	Van Bregt, Reg
Rosseau-Morgan Bay	Muskoka	5.8	4514	7940	Love, Peter
Rosseau-Norway Point	Muskoka	5.5	4510	7935	Love, Peter
Rosseau-Onaway Island	Muskoka	5.0	4508	7933	Love, Peter
Royal	Ewart	1.3	4943	9505	Thoroughgood, Elwin
Ryde	Ryde	2.6	4454	7915	Duncan, J.
Salerno	Glamorgan	3.6	4451	7829	Kane, Raymond
Salmon	Foley	4.1	4415	7958	Morden, Margaret R.
Salmon	Galway, Cavendish	9.0	4449	7827	Harris, John D.
Salmon Trout	Monteagle	3.7	4511	7749	Patterson, G.R.
Sand	South Crosby	3.8	4434	7616	Wanless, Bob
Sand	South Crosby	3.5	4434	7617	Davis, Cam
Shabomeka	Barrie	5.8	4454	7708	Marsh, Wayne
Shadow	Laxton, Somerville	4.1	4443	7843	Wirth, M.
Sharbot-West Basin	Oso, Olden	5.5	4446	7641	Romaniuk, A.S.
Shawanaga	Hagerman	3.2	4534	7959	Tasker, George
Sheldrake	Anglesea	3.5	4449	7717	Carter, Ron
Shoal-Clytie Bay	Glass, Kenora	5.0	4937	9458	Stewart, Kevin
Shoe	Ridout	5.5	4511	7855	Johnson, Brad
Shoe	Ridout	5.6	4512	7855	Bradley Johnson, G.
Silver	Gravenhurst, Muskok	3.5	4507	7934	Lee, Gordon
Simcoe	Innisfil	7.0	4415	7930	Casselman, B.
Simcoe	Oro, Medonte	4.0	4430	7920	Singer, Mark
Six Mile	Georgian Bay	5.7	4430	7920	Warren, Herb
Six Mile	Georgian Bay	5.6	4449	7945	Mitchell, Jim
Skeleton	Cardwell & Watt	9.5	4515	7927	Talbot, Larry
Skootamatta-Upper Basin	Anglesea	2.9	4450	7716	Blake, R.P.
South	Snowdon	3.8	4455	7841	Lymer, Ray
South Portage	Dudley	4.0	4503	7824	Virgin, Jack
Soyers	Minden	5.0	4501	7837	Partridge, W.R.
Spar	Lutterworth	5.5	4450	7847	Simpson, C.D.
Star	Christie	2.5	4520	7945	Porter, Bob
Stoco	Hungerford	2.7	4428	7717	Ferguson, Steve
Stony	Dummer	4.0	4438	7806	Rimmer, B.
Stormy	Glamorgan	5.5	4458	7824	Balmer, Charlotte
Stormy	Glamorgan	6.0	4459	7824	Mathewson, Stan
Sturgeon	Verulam	3.4	4428	7843	Renfrew, George
St. Andrew	Hinchinbrooke	3.6	4436	7640	Cole, M.
St. John	Ramara	4.0	4441	7919	Wicks, Walter
Sugar	Christie	5.0	4522	7948	Pennington, B.
Sunday	Palmerston	4.9	4502	7646	Nickerson, Anne
Talon	Banfield	4.5	4618	7905	Venner, ____
Tea	Matchedash	0.3	4452	7939	Cochran, J.
Thirteen Island	Bedford	4.2	4432	7638	Allardyce, Elwood
Tobacco-Stn. 2	Gordon	5.3	4551	8227	Ritching, W.R.
Trout	Hoskin	4.0	4613	8035	Wright, Peter
Troy	South Crosby	1.8	4431	7616	Arnold, J.
Turtle	Clarendon	5.5	4455	7701	Waterworth, Barb
Turtle	Gravenhurst	3.2	4456	7934	Mitchell, Dave
Twelve Mile	Minden	5.0	4501	7843	12 Mile L. Cottage Asso
Twin Sister-East Basin	Marmora	4.0	4436	7746	Young, C.W.
Twin Sister-West Basin	Marmora	3.5	4436	7745	McFarland, Henry W.
Upper Rideau	North Crosby	3.2	4441	7620	Cook, Jack
Upper Rideau-Narrows Lock	North Crosby	7.1	4445	7805	Lehmann, Anna
Virgin	Bagot	7.5	4516	7640	Butler, Rob
Virtue	Christie	3.0	4519	7950	Brand, Laurie
Walker	Sinclair	6.8	4522	7904	Collier, Ron
Walker	Truman	6.0	4612	8130	Peltoniemi, Robert
Waseosa	Chaffey	3.9	4524	7917	Norton, Alan
Weslemkoon	Ashby	4.0	4502	7725	McQuade, A.R.
West	Hallowell	2.3	4356	7717	Izzard, A.
White	Galway	2.8	4450	7829	McIntosh, R.W.
White-3 Mile Bay	Darling	3.0	4518	7663	Dalton, Lloyd
White-Pickerel Bay	Darling	3.0	4519	7663	Dalton, Lloyd
Whitestone	Hagerman	3.2	4539	7952	Jacklin, Bill
Whitestone	Hagerman	2.8	4540	7952	Summers, Elaine
Wilcox	Artemesia	3.5	4414	8033	Hunter, Diane
Winnipeg River-Locke Bay	Pellatt	3.0	4950	9437	Wedel, Lorraine
Wolf	Burleigh, Anstruther	5.3	4443	7812	Smylie, Stephen
Wolfe	North Crosby, Bedfor	7.6	4441	7630	Buchner, James
Wollaston	Wollaston	6.6	4451	7750	Grant, Norm
Wood	Oakley	4.4	4501	7905	Anderson, Harold

Lake Partner Program 1997
A Summary of Total Phosphorus Levels Across Ontario



Diana Bonaldi

Lake Partn Program 1997 Total Phosphorus Annual Means

Lake	Site	Township	Lat.	Long.	# of samples	ug/L
Adam		N. Burgess	4449	7613	1	2.0
Ahmic	Forest Nook, mi	Croft	4537	7942	1	6.0
Ahmic	Pickerel Point	Croft	4537	7942	1	10.0
Ahmic	Rocky	Croft	4537	7942	1	12.0
Allen	Harcourt Park	Dudley, Ha	4507	7815	1	4.0
Ashby		Denbigh, A	4505	7721	1	4.0
Austin	Mid-lake	Melick	4954	9423	1	12.0
Bagot Long		Bagot, Blyt	4514	7639	1	8.0
Balsam		Bexley	4435	7850	4	10.0
Balsam	Mid-lake	Bexley	4435	7850	1	10.0
Balsam	Lightning Point	Somerville	4437	7849	1	22.0
Baptiste'	Lavallee Bay	Herschel	4507	7803	1	4.0
Baptiste	Main	Bancroft Ar	4507	7803	8	7.5
Bass		Oro, Medo	4436	7930	1	12.0
Bass		Ryde, Gra	4452	7913	1	24.0
Basshaunt	Mid-lake	West Guilf	4507	7828	2	5.0
Bat		Hindon, An	4456	7841	1	12.0
Bay	Centre of W En	Perry	4530	7912	2	5.0
Beaver	Mid-lake, West	Cavendish	4444	7817	1	6.0
Beech		Stanhope	4505	7842	1	6.0
Bella	Centre Island	Lake of Ba	4520	7902	1	6.0
Belmont		Belmont, M	4431	7749	1	8.0
Belmont	Crowe River entrance	Methuen	4431	7749	1	4.0
Bennett	SE Portion	Bathurst	4455	7628	1	18.0
Bernard	Mid-lake	Strong	4545	7923	1	12.0
Big Bald		Harvey	4435	7823	1	68.0
Big Barnum (Barnu		Dudley, Dy	4502	7832	1	6.0
Big Bob (Bob)	Mid-lake	Minden, An	4455	7847	1	4.0
Big Clear	North Bay	Kennebec	4443	7655	1	8.0
Big Clear	South Bay	Kennebec	4443	7655	1	8.0
Big Gull	Pinnacle Point	Barrie	4450	7658	1	12.0
Big Gull	Tanbark Bay	Clarendon,	4450	7658	1	36.0
Big Gull	E End	Clarendon	4450	7658	1	6.0
Big Gull	W Bay	Barrie	4456	7658	6	12.0
Big Rideau	Star Island	Bastard, S.	4445	7613	1	12.0
Big Rideau	Trout Island	Bastard, S.	4445	7613	1	12.0
Big Straggle	N End	Harcourt	4507	7812	1	8.0
Bigwin	SW of Burnt Isl	Bracebridg	4515	7903	1	4.0
Billings (Wolfe)		Glamorgan	4456	7822	2	5.0
Birch (Gough)		Gough	4618	8158	2	9.0
Bird		Muskoka	4503	7901	1	8.0
Black	NE Basin	N. Burgess	4446	7618	1	8.0
Black	SW Basin	N. Burgess	4446	7618	1	12.0
Black Donald		Brougham	4514	7655	1	4.0
Black Sturgeon, Lo	Main Channel, close to	Melick	4951	9425	1	16.0
Black Sturgeon	Bay-500m from	Melick, Jaff	4951	9425	1	8.0
Bobs		S. Sherbro	4445	7632	1	8.0
Bobs	Buck Bay, Mid-	Bedford	4441	7635	1	8.0
Bobs	Central Narrow	Bedford	4443	7635	1	2.0
Bobs	E Basin	Bedford	4441	7637	7	8.0
Bobs	Long Bay	Bedford	4444	7635	1	18.0
Bobs	Mill Bay	Bedford	4445	7635	1	26.0
Bobs	W Basin	Bedford	4441	7633	1	10.0
Boshkung		Stanhope	4504	7844	1	2.0
Boulter	Mid-lake	Bangor, Wickl	4518	7803	3	5.3
Brewster		Osprey	4420	8018	6	6.3
Bruce	S End	Medora, W	4510	7939	1	4.0
Brule		Miller	4505	7705	1	6.0
Buck	N Bay	Loughboro	4433	7626	1	4.0
Buck	N Bay, S End	Loughboro	4432	7626	1	12.0
Buck	Porcupine Island, S Ba	Bedford	4431	7626	1	6.0
Buckshot	Mouth of East	Miller	4500	7704	1	4.0
Burnt		Humphrey	4515	7945	1	6.0
Burridge	Mid-lake	Bedford	4440	7633	1	4.0
Butterfly		Muskoka L	4505	7938	1	12.0
Cameron	Mid-lake	Fenelon	4433	7846	2	7.0
Canning	Little Canning	Minden	4456	7838	1	12.0
Canning	Mid-lake	Minden	4457	7838	1	6.0
Canning	Stn. 3	Minden	4456	7839	1	6.0
Caribou		Johnson	4622	8350	2	13.0
Catastrophe	Mid-lake	Pelican	4954	9447	1	8.0
Cecebe	Stn. 2	Chapman,	4538	7933	7	10.3
Chalk	Mid-lake	Reach, Scu	4401	7903	1	2.0
Chandos	West Bay	Chandos	4449	7800	1	6.0
Charleston	Big Waters	Rear of Leed	4432	7600	2	20.0
Charleston	Goose Island	Rear of Leed	4433	7600	2	14.0
Charleston	Western Water	Rear of Leed	4434	7600	2	21.0
Charlie George (Ge		Harcourt	4505	7810	2	9.0
Cheer		Chapman,	4547	7930	7	14.6
Christie	Lake Basin	Bathurst	4448	7626	1	4.0
Clarke		Whitchurch	4358	7922	3	11.3
Clear		Oakley	4502	7902	1	8.0
Clear		Perry	4531	7916	1	6.0
Clear		Sebastopol	4526	7712	1	6.0
Clear		Humphry	4516	7947	1	4.0
Clear	Mid-lake	Peterborou	4430	7812	1	10.0
Cole		Hinchinbro	4434	7641	1	14.0
Collins		Storrington	4422	7628	1	16.0

Lake Partner Program 1997 Total Phosphorus Annual Means

Lake	Site	Township	Lat.	Long.	# of samples	ug/L
Couchiching	Stn. 5 Main Eup	Orillia, Simco	4442	7922	8	9.0
Couchiching	Stn. 21 Euphoti	Orillia, Simco	4441	7922	8	7.2
Couchiching	Stn. 15 Euphoti	Orillia, Simco	4440	7922	8	8.8
Couchiching	Stn. 12	Orillia, Simco	4443	7922	8	7.7
Crane	Mid-bay	Conger	4513	7957	1	6.0
Crosby	Main Basin, Mid	N. Crosby	4456	7626	1	8.0
Crowe		Marmora	4429	7744	1	12.0
Crystal	Centre Island	Galway	4447	7831	1	8.0
Dalrymple		Carden	4438	7907	1	10.0
Davern	Mid-lake	South Sher	4447	7631	1	4.0
Deep Bay		Carling	4524	8012	1	12.0
Deer (Hugel)	West, Mid-lake	Hugel	4628	8013	1	8.0
Deer	Composite	Cardiff	4502	7806	8	7.0
Denna	Centre Island	Lutterworth	4452	7845	1	14.0
Devil	Buce Bay	Bedford	4435	7627	1	8.0
Devil	Hayes Bay, We	Bedford	4435	7628	1	6.0
Dickey	Main Basin	Lake	4447	7744	6	8.3
Dickey	S Basin	Lake	4446	7744	6	8.7
Doe	Stn. 2	McMurrich	4532	7924	1	10.0
Doe (Doeskin)		Orillia, Grave	4455	7917	1	16.0
Dogtooth	30m out, 6m do	Lemay	4943	9410	1	4.0
Dollars	Smith Bay	Blair, McC	4556	8013	1	12.0
Drag	Main Basin	Dudley,Dy	4505	7824	6	5.3
Drag	S Basin, S Centre of La	Dudley,Dy	4504	7824	1	4.0
Dummer	S End	Dummer	4428	7804	1	14.0
Eagle	Main channel, dee	Hinchinbro	4441	7642	1	6.0
East		Harburn, H	4515	7821	1	8.0
East Moore	Mid-lake	Lutterworth	4448	7848	1	4.0
Echo	Mid-lake	McLean	4511	7904	7	8.0
Eels	Composite	Anstruther, P	4454	7808	8	5.5
Elbow		Hinchinbro	4438	7643	1	6.0
Ena	Main body of la	West of Re	4959	9431	1	14.0
Fairholme	Mid-lake	Hagerman	4535	7954	1	4.0
Fairy (Frere)		Hudson	4720	7940	1	28.0
Farlain		Tiny	4449	7959	1	10.0
Farren	Mid-lake	S. Sherbro	4446	7630	1	0.6
Fortescue	Mid-lake	Galway &	4450	7826	1	6.0
Four Mile	Stn. 2	Widdifield	4624	7923	1	40.0
Gananoque West	Seeleys Bay	Rear Leeds	4427	7609	1	24.0
Geneva	S Bay	Hess	4646	8133	1	4.0
Georgian Bay	Thunder Beach	Tiny	4448	8004	1	2.0
Glamor	Deepest sectio	Glamorgan	4457	7822	1	6.0
Gould	Central deep	Amabel	4435	8112	1	4.0
Grandview		Ridout, Mc	4512	7903	3	9.3
Grass	Stn. E	Dysart	4502	7833	2	12.0
Grindstone	SW Bay centre	Miller	4501	7657	1	6.0
Grippen		Rear of Leed	4430	7609	1	10.0
Gull	NW End	Gravenhur	4455	7921	1	4.0
Halls	N End	Stanhope,	4506	7845	1	2.0
Hambly		Portland	4428	7641	1	76.0
Harp	Mid-lake	Chaffey	4522	7907	1	8.0
Head	Main Stn.	Digby	4444	7855	4	9.0
Head		Laxton, Dig	4444	7855	1	8.0
Head	Stn. F	Dysart	4503	7831	2	10.0
Hilly	Mid-lake	Jaffray	4945	9422	1	10.0
Horseshoe	Gibralter Bay	Christie	4518	7951	1	6.0
Horseshoe	Stn. 1	Christie, Pa	4517	7951	1	8.0
Hurds		Bagot, Blyt	4452	7640	1	2.0
Indian	Mid-lake	S.Crosby	4436	7620	6	14.7
Inverary	Mid-lake	Storrington	4424	7627	1	28.0
Jack	Brock's Bay, N	N. Burleigh	4442	7802	1	8.0
Jeffrey	Mid-lake, S En	Ross	4539	7727	2	6.0
Kahshe	Klueys Bay	Morrison	4450	7918	1	8.0
Kapikog		Conger	4509	7954	1	2.0
Kashagawigamog	Silver Beach	Minden	4459	7836	2	13.0
Kashagawigamog	Stn. A, S End	Minden	4459	7836	2	5.0
Kashagawigamog	Venture Bay, S	Minden	4459	7836	2	11.0
Kashagawigamog	Stn. D, N End	Minden	4459	7836	2	5.0
Kashwakamak	NE End of Old	Claredon,	4452	7701	1	66.0
Kashwakamak	W End, Middle of	Clarendon,	4452	7701	1	2.0
Kasshabog	Connor Bay	Methuen	4438	7758	9	8.2
Kennaway		Dysart	4508	7810	1	14.0
Kennisis	Stn. C	Havelock	4513	7838	3	3.3
Killenbeck		Rear of Leed	4430	7603	1	2.0
Koshlong	Main Basin	Glamorgan	4458	7829	6	7.3
Koshlong	Mid-lake	Glamorgan	4458	7829	1	4.0
Kushog	N End	Stanhope	4504	7847	1	6.0
Lake of the Woods	Middle Island	Kenora	4915	9445	1	8.0
Lake of the Woods	Sabashong Ba	Fort Franci	4836	9324	1	30.0
Lake of the Woods	Clearwater Bay	Kenora	4944	9439	1	16.0
Lake of the Woods	Clearwater Bay	Kenora	4942	9444	1	10.0
Lake of the Woods	Deception Bay	Kenora	4943	9446	1	10.0
Lake of the Woods	Echo Bay	Kenora	4939	9453	1	10.0
Lake of the Woods	Harbour in front of	Kenora	4915	9445	1	26.0
Lake of the Woods	Heavenly Bay	Kenora	4915	9445	1	34.0
Lake of the Woods	Mouth @ Bigstone Bay,	Kenora	4940	9420	1	10.0
Lake of the Woods	Poplar Bay	Kenora	4941	9433	1	14.0
Lake of the Woods	Route Bay	Kenora	4940	9418	1	12.0

Lake Partner Program 1997 Total Phosphorus Annual Means

Lake	Site	Township	Lat.	Long.	# of samples	ug/L
Lake of the Woods	Rush Bay	Kenora	4940	9455	1	14.0
Lake of the Woods	Scotty Island,	Kenora	4940	9429	1	20.0
Lake of the Woods	Small Bay, Ofo Isla	Kenora	4915	9445	1	16.0
Lake of the Woods	Tangle Bay	Kenora	4944	9430	1	16.0
Lake of the Woods	Treaty Island	Kenora	4944	9430	1	20.0
Leggat	SW Mid-lake	Olden	4443	7643	6	8.0
Leonard	Milford Bay, Mi	Monck	4504	7927	1	2.0
Limerick		Limerick	4453	7737	2	8.0
Limestone	Mid-lake	Hagerman	4533	7956	1	8.0
Little Esson	Mid-lake	Monmouth	4502	7816	1	10.0
Little Horseshoe		Minden	4500	7839	1	4.0
Little Kennisis		Havelock	4515	7835	1	8.0
Little Lake Joseph	Main Basin	Humphrey	4513	7941	1	8.0
Little Meach		McClure	4518	7807	6	7.3
Little Straggle	Mid-lake	Harcourt	4508	7812	4	8.5
Long		Harcourt,	4503	7822	1	10.0
Long	Mid-lake	Olden	4441	7646	1	4.0
Longpine		Gundy	4947	9506	1	6.0
Loon		Gravenhur	4455	7926	1	8.0
Loon Call	W End	Burleigh, A	4444	7809	1	8.0
Lorimer	b/w Orofino Pt. & J	Hagerman	4532	7958	1	6.0
Lorraine (Tory)		Monmouth	4456	7814	1	2.0
Lorwall		Brudenell	4525	7722	1	14.0
Loughborough	E Basin	Storrington	4427	7624	1	24.0
Loughborough	W Basin	Storrington	4427	7625	1	20.0
Lower Beverley	Kendricks Bay	Bastard, S.	4436	7608	1	12.0
Lower Beverley	Outlet	S. Crosby	4435	7608	1	6.0
Lower Fletcher	Mid-lake	Sherborne	4521	7850	1	8.0
Manitou		Sandfield	4545	8200	1	6.0
Manitouwaba	E Lake	Monteith,	4524	7942	2	7.0
Manitouwaba	W Lake	Monteith,	4524	7943	2	8.0
Manitouwabing		McKellar	4529	7954	1	10.0
Manson		Hagerman	4533	7952	3	6.7
Maple	Mid-lake	Stanhope	4506	7840	1	8.0
Mary	Mid-basin	Huntsville	4515	7915	1	2.0
Mary	Mid-lake	Brunel	4515	7915	1	10.0
McCullough		Sullivan	4421	8055	1	8.0
McKay	Main location,	Muskoka,	4503	7910	1	10.0
McKechnie		Humphrey	4514	7949	1	6.0
McQuaby	Big Bay	Nipissing	4816	8924	1	4.0
Meach	Main Basin	McClure	4518	7808	6	7.0
Midland Park		Tay, Midla	4444	7953	6	18.7
Miller		Lindsay	4506	8123	1	2.0
Minden		Minden	4459	7843	1	6.0

Lake	Site	Township	Lat.	Long.	# of samples	ug/L
Ministic	S End	Cascaden	4634	8134	1	22.0
Mink	Mid-lake	Wilberforce	4533	7703	1	2.0
Mississippi		Drummond	4505	7610	1	22.0
Moira	E Basin	Huntingdon	4430	7727	1	10.0
Moot	Main Island	McLean	4509	7910	1	12.0
Mosque		Miller	4501	7655	1	6.0
Muldrew	North	Morrison	4454	7927	1	8.0
Muskoka, Lake	Cliff Bay	Muskoka	4500	7925	1	8.0
Musselman	Mid-lake	Whitchurch	4402	7916	5	27.6
Neighick	Lammerts Islan	Croft	4538	7944	1	12.0
Neighick	Picnic Island, S	Croft	4538	7944	1	8.0
Newboro	Hungry Bay	S. Crosby	4438	7620	1	20.0
Nine Mile	Big Bay	Ferguson,	4508	8004	1	10.0
Nine Mile	Moon Bay	Ferguson,	4509	8004	1	8.0
Nipissing	Musky Bay, Extra	Nipissing	4617	8000	3	41.3
Nipissing	Musky Bay, Re	Nipissing	4617	8001	4	69.0
Nipissing	Musky Bay, St	Nipissing	4617	8002	1	10.0
Nipissing	Musky Bay, St	Nipissing	4617	8003	1	12.0
Norway	Mid-lake	Bagot, Blyt	4520	7643	1	6.0
Otter		S. Elmsley	4447	7607	1	2.0
Otty	Site A, Mid-lak	N. Elmsley	4451	7613	6	10.3
Otty	Site B	N. Elmsley	4451	7613	2	7.0
Paint-St. Mary	Stn. 1	Ridout	4513	7857	8	7.0
Panache	Mid-lake	Dieppe	4615	8120	1	6.0
Papineau	Close to mid-la	Papineau,	4613	7845	1	6.0
Paudash, Lower		Cardiff	4458	7801	9	8.7
Paudash, Upper		Faraday, Has	4458	7800	8	6.8
Paugh	W End, Open	Burns	4453	7742	1	6.0
Peninsula	Deerhurst Bay	Chaffey, Fran	4521	7907	1	10.0
Peninsula	Wolf Bay	Chaffey, Fran	4522	7904	1	6.0
Percy		Harburn	4512	7822	1	6.0
Peter		Wollaston	4452	7748	3	8.7
Pickerel		Gidley	4949	9451	1	8.0
Pike	Mid-lake	N. Burgess	4447	7621	1	10.0
Pike	Mid-lake	Hudson	4720	7940	1	12.0
Pike	N End	N. Burgess	4447	7621	1	10.0
Pine	Sniders Bay	Wood, Musko	4456	7929	1	4.0
Pine		Oakley	4504	7904	1	2.0
Pine		Guilford	4510	7956	9	8.0
Portage	Mid-lake	Mowat	4554	8033	1	14.0
Preston		York, Whitchu	4359	7923	8	16.5
Rankin		Foley	4518	7954	1	2.0
Raven		Sherborne	4512	7851	1	2.0
Rebecca	Mid-lake	Lake of Ba	4526	7902	1	10.0

Lake Partner Program 1997 Total Phosphorus Annual Means

Lake	Site	Township	Lat.	Long.	# of samples	ug/L
Red Horse	W Basin, S Cen	Rear of Lead	4432	7605	1	12.0
Ril		Ridout	4510	7900	1	4.0
Robertson	S Bay, Mid-bay	Lanark	4504	7639	1	8.0
Royal	Open, sample take	Ewart	4944	9525	1	20.0
Ruth		Nipissing	4601	7931	1	2.0
Salerno	N End	Glamorgan	4451	7829	1	6.0
Salerno	S End	Glamorgan	4450	7829	2	10.0
Salmon		Galway, C	4449	7827	1	6.0
Salmon Trout		Monteagle	4511	7749	6	8.0
Sand	Mid-lake	S. Crosby	4434	7616	1	10.0
Sandy		Harvey	4432	7825	1	10.0
Scugog	Starr Bay	Mariposa	4412	7849	1	16.0
Sesekinika	Stn. 1	Grenfell, M	4811	8014	2	15.0
Sesekinika	Stn. 3	Grenfell, M	4811	8014	1	18.0
Shabomeka	Open Lake	Barrie	4454	7708	1	6.0
Shadow	S Centre	Laxton, So	4443	7843	1	2.0
Sharbot	W Basin 1	Olden	4446	7641	1	10.0
Sharbot	W Basin 2	Olden, Os	4446	7642	2	10.0
Shawanaga	NE End	Hagerman	4534	7959	1	6.0
Shoal	Clytic Bay	Glass, Ken	4937	9458	1	8.0
Shoe		Ridout	4512	7855	1	6.0
Silver	E Mid-lake	Gravenhur	4454	7919	1	6.0
Simcoe, Lake	Off Moon's Bay	Oro	4425	7920	1	6.0
Simeon		Whitchurch	4358	7923	5	8.8
Six Mile	Crooked Bay, S	Georgian	4449	7945	1	4.0
Six Mile	Lost Channel, S	Georgian	4449	7945	1	2.0
Skeleton		Muskoka	4515	7927	1	2.0
Skootamatta	Upper Basin	Anglesea	4450	7716	1	8.0
South	Mid-lake	Snowdon,	4455	7841	4	9.0
South Portage	Mid-lake	Dudley	4503	7824	6	8.7
Soyers	Deepest sectio	Minden	4501	7837	1	6.0
Spar		Lutterworth	4450	7847	1	10.0
Stoco	Middle of north	Hungerford	4428	7717	1	18.0
Stony		Dummer	4433	7806	1	2.0
Stormy	Main Basin	Glamorgan	4458	7824	5	5.6
Stormy	Main Basin	Glamorgan	4458	7824	1	2.0
Stormy	NW off island	Glamorgan	4458	7824	1	2.0
Sturgeon	Birch Point	Verulam	4428	7843	1	180.0
St. Andrew	N Mid-lake	Hinchinbro	4436	7640	1	10.0
St. John	Main Basin	Ramara, T	4711	8157	1	4.0
Sugar	Mid-Bay	Christie	4522	7946	1	4.0
Sunday		Palmersto	4502	7646	1	6.0
Talon	Grasswell Point	Mattawa	4618	7905	1	2.0
Tea		Matchedas	4452	7939	8	7.5
Thirteen Island	N End	Bedford	4432	7638	1	14.0
Three Mile	Hammel's Bay	Muskoka L	4511	7928	1	8.0
Trout		Pellat, Coyl	4947	9408	1	4.0
Trout	North Bay	Widdifield,	4618	7920	7	10.6
Trout	Picnic Island	Hoskin	4613	8035	1	2.0
Troy		S. Crosby	4431	7616	1	44.0
Twelve Mile	Main Basin	Minden	4501	7843	7	5.7
Upper Rideau	Kanes Bay	N. Crosby	4441	7620	1	20.0
Upper Rideau	Narrows Lock	N. Crosby	4441	7620	1	10.0
Virgin		Bagot	4516	7640	1	4.0
Virtue		Christie	4519	7950	1	16.0
Walker		Sinclair	4522	7904	1	2.0
Waseosa	Mid-lake, Stn.	Chaffey	4524	7917	1	4.0
Wenona		Hunter	4541	7851	1	20.0
Weslemkoon	Caverly Landin	Ashby	4502	7725	1	10.0
White	Mid-lake	Galway	4450	7829	1	6.0
White	Pickerel Bay	Darling	4518	7631	1	12.0
White	Three Mile Bay	Darling	4518	7631	1	2.0
Whitestone	Hosers Bay	Hagerman	4539	7952	1	6.0
Wilcox	Mid-lake	Artemesia	4414	8033	6	10.3
Wilcox	Main station	Richmond	4358	7929	14	39.4
Winnipeg River	Locke Bay Pell	Kenora	5014	9509	1	6.0
Wolf		Burleigh, A	4443	7812	2	5.0
Wolfe	Camp Iawah	N. Crosby,	4441	7630	3	8.0
Wolfe	NE Basin, Gre	N. Crosby,	4441	7630	3	8.7
Wolfe	NW Basin, Wo	N. Crosby,	4441	7630	3	10.0
Wolfe	S Basin	N. Crosby,	4441	7630	1	8.0
Wollaston	Deepest sectio	Wollaston	4451	7750	1	6.0

Lake Partner Program 1997 Total Phosphorus Annual Means

Muskoka Lakes Assessement

Courtesy of the District of Muskoka

Lake	Site	Township	Lat.	Long.	# of samples	ug/L
Arrowhead		Chaffey	4524	7912	1	10.0
Barron's		Georgian	4449	7945	1	14.0
Bass		Muskoka L	4507	7942	1	8.0
Bella		Sinclair	4626	7902	2	5.0
Ben		Ryde	4453	7912	2	8.0
Bigwind		Oakley	4503	7903	2	10.0
Bird		Oakley	4503	7903	2	7.0
Bonnie		Macauley	4508	7915	1	4.0
Brandy		Muskoka L	4506	7932	2	21.0
Butterfly		Medora	4505	7938	1	4.0
Camp		Finlayson	4526	7855	2	3.0
Clark		Chaffey	4524	7918	1	4.0
Clear		Oakley	4502	7902	2	6.0
Cooper		Franklin	4521	7900	1	8.0
Dickie		McLean	4509	7906	2	8.0
Doeskin		Orillia	4455	7917	2	10.0
Dotty		Sinclair	4528	7900	2	6.0
Dudley Bay		Medora	4503	7938	1	6.0
Echo		McLean	4511	7904	2	6.0
Fairy	Main stn.	Chaffey &	4520	7911	2	5.0
Fairy	N Musk River B	Chaffey &	4520	7911	1	8.0
Gilleach		Macaulay	4509	7913	3	8.7
Jessop		Chaffey	4523	7916	1	6.0
Joseph	Cox Bay	Medora	4507	7938	1	4.0
Joseph	Main stn.	Medora	4510	7944	1	2.0
Joseph	N End	Medora	4510	7944	1	4.0
Joseph River		Medora	4508	7939	1	4.0
Lake of Bays	Dwight Bay	Franklin &	4519	7901	1	4.0
Lake of Bays	Haystack Bay	Franklin &	4517	7902	1	4.0
Lake of Bays	Main stn.	Franklin &	4515	7904	1	4.0
Lake of Bays	Rat Bay	Franklin &	4519	7903	2	5.0
Lake of Bays	Ten Mile Bay	Franklin &	4517	7858	1	4.0
Lake of Bays	Trading Bay	Franklin &	4514	7855	1	2.0
Lake of Bays	South Portage	Franklin &	4520	7903	2	5.0
Leech		Oakley	4503	7906	2	8.0
Leonard		Monck	4504	7927	2	6.0
Little Lake Joseph		Humphry	4513	7941	1	4.0
Long		Wood	4500	7936	1	6.0
Mary		Stephenso	4515	7915	2	6.0
McKay		Draper	4503	7910	1	10.0
Mirror		Medora	4506	7934	1	4.0
Moot		McLean	4509	7910	2	9.0
Muskoka, Lake	Bala Bay	Muskoka	4501	7936	1	4.0
Muskoka, Lake	N End	Muskoka	4500	7925	1	4.0
Muskoka, Lake	S End	Muskoka	4500	7925	1	4.0
Muskoka, Lake	Stn. 1	Muskoka	4500	7925	1	4.0
Muskoka, Lake	Stn. 2	Muskoka	4500	7925	1	4.0
Muskoka, Lake	North Bay	Muskoka	4504	7935	1	10.0
Muskoka, Lake	Portage Bay	Muskoka	4457	7924	1	2.0
Muskoka, Lake	North Muskoka	Muskoka	4456	7924	1	8.0
Muskoka, Lake	South Muskoka	Muskoka	4454	7924	1	2.0
North Bay	HH	Baxter	4504	7935	1	10.0
Peninsula	E End	Chaffey &	4520	7907	2	9.0
Peninsula	W End	Chaffey &	4520	7907	1	8.0
Pine		Wood & M	4456	7929	2	6.0
Prospect		Draper	4459	7908	2	5.0
Rebecca		Sinclair	4526	7902	2	5.0
Ricketts		Medora	4509	7945	1	6.0
Ril		Ridout	4510	7900	2	7.0
Rosseau	Main stn.	Cardwell,	4510	7935	1	2.0
Ryde		Ryde	4454	7915	1	14.0
Six Mile	Main stn.	Baxter	4454	7943	1	6.0
Six Mile	Cedar Nook	Baxter	4454	7943	1	12.0
Six Mile	Propark	Baxter	4454	7943	1	10.0
South Bay	HH	Georgian B	4452	7946	2	9.0
Spence	Main stn.	Draper	4500	7917	1	4.0
Spence	N End	Draper	4500	7917	1	12.0
Stewart		Freeman &	4508	7946	1	4.0
Vernon, Lake		Stisted & C	4520	7917	2	6.0
Vernon, Lake	Hunters Bay	Stisted & C	4519	7914	1	4.0
Vernon, Lake	N End	Stisted & C	4521	7917	1	8.0
Walker		Sinclair	4522	7904	1	4.0
Waseosa		Chaffey	4524	7917	2	8.0
Wiesmuller		Draper	4456	7913	2	16.0
Wood		Oakley	4501	7905	2	5.0